

STEELTHERM ROLL 40

January 2018



APPLICATIONS



DESCRIPTION

SteelTherm Roll 40 is a lightweight, flexible and resilient, non-combustible glass mineral wool roll, which is manufactured in 600mm widths and specifically designed for friction fitting between standard light steel frame studs.

PERFORMANCE

Thermal

R-value: 2.38 m²K/W

Fire

Classification: EUROCLASS A1 to BS EN 13501-1.

Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m.

BENEFITS


- ✓ Excellent sound absorption characteristics.
- ✓ Designed specifically for steel frame construction
- ✓ Sized to friction fit between steel studs at 600mm centres
- ✓ Easy to handle and install with no gaps between adjacent rolls

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	R-value (m ² K/W)		R-value (m ² K/W)		Length (mm)	Width (mm)	Area per pack (m ²)
100	0.040	2.38		2.50		8.65	2x600	10.38

e=estimate

 South African R-values calculated assuming 23°C mean temperature.

 Euro R-values based on 10°C mean temperature, calculated according to requirements of EN 90:90 for declaring thermal performance and following the European norm standard including audited factory production control.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

SteelTherm Roll 40 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

SteelTherm Roll 40 is designed for the thermal insulation of external walls in steel frame constructions. SteelTherm Roll 40 is friction fitted between steel studs and is 600mm wide to suit commonly used stud centres.

Standards

SteelTherm Roll 40 is manufactured in accordance with BS EN 13162, BS EN ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Environmental

SteelTherm Roll 40 represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Vapour resistivity

SteelTherm Roll 40 offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00MN/g.m.

Handling and storage

SteelTherm Roll 40 is easy to handle and install, being lightweight and easily cut to size, where necessary. SteelTherm Roll 40 is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. SteelTherm Roll 40 should not be left permanently exposed to the elements.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colours.

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